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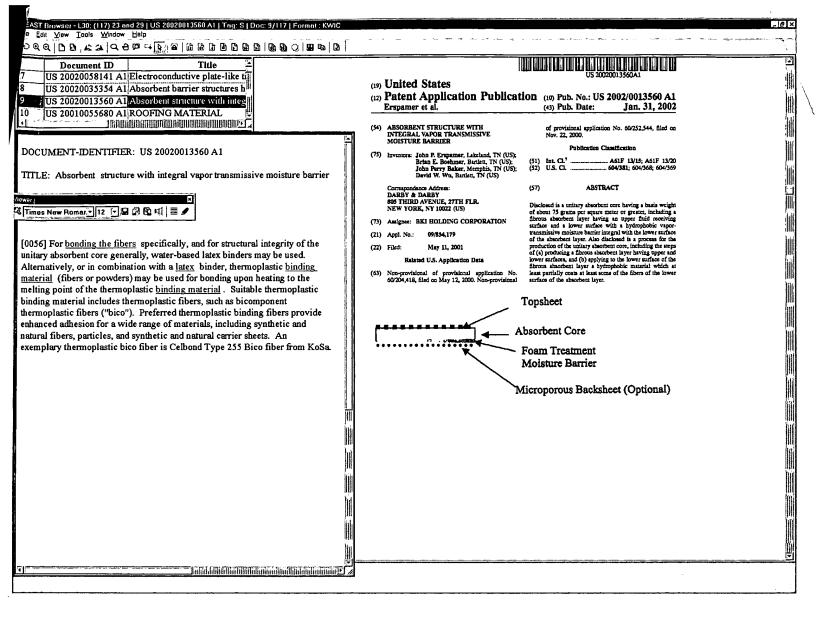
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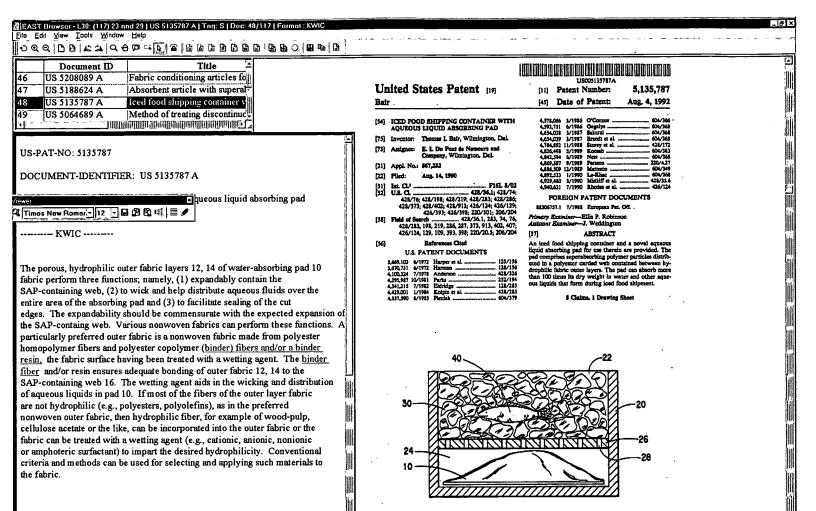
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Document Listing

Document	Selected Pages	Page Range	Copies
US005552169	7	1 - 7	1
US004723953	7	1 - 7	1
US004293609	7	1 - 7	1
US004145464	9	1 - 9	1
US003888248	7	1 - 7	1
Total (5)	37	-	-





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US-PAT-NO:

4706338

DOCUMENT-IDENTIFIER: US 4706338 A

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Abstract Text - ABTX (1):

An apparatus for forming fibre webs including a first component and a second component in the form of two textile fibres differentiated by their average fibre length or a textile fibre and wood pulp, said apparatus including a card means having a discharge zone, means for feeding said second component to said discharge zone, and means for condensing the fibres in said discharge zone whereby a highly uniform fibre web is obtained.

Brief Summary Text - BSTX (6):

According to the present invention, this object is obtained by providing an apparatus for forming fibre webs including first and second components in the form of at least two textile fibres differentiated by their average fibre lengths or a textile fibre and wood pulp, characterized by comprising card means having a discharge zone, means for feeding said second component to said discharge zone and means for condensing the mixed fibres in said discharge zone, whereby a highly uniform fibre web is obtained.

Detailed Description Text - DETX (1):

Referring now more particularly to the drawing, one embodiment of an apparatus for forming heterogeneous fibre webs at elevated production velocities basically comrpises a high velocity card means 2 and a pulp mill 4 coupled so as to deposit intimately mixed textile fibres and wood pulp on a conveyor belt 6 to form a fibre web 8.

4

United States Patent [19] Anspach

[54] APPARATUS FOR FORMING FIRRE WERS

[75] Inventor: Jass M. H. Ampsch, Sen José dos Ormon. Brazil

[73] Assignce: Chicopes, New Brumwick, N.J.

[21] Appl. No.: 839.019

Mar. 13, 1986

[31] Lat. CL* [32] U.S. CL D01G 15/40, D01G 15/46 19/143.7; 19/303; 19/106 R; 19/143.7; 19/302; 19/304 19/145.5, 143.7; 302,

[58] Pield of Search

[11] Patent Number: 4,706,338 [45] Date of Patent:

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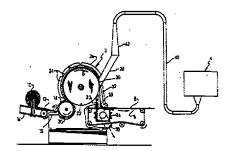
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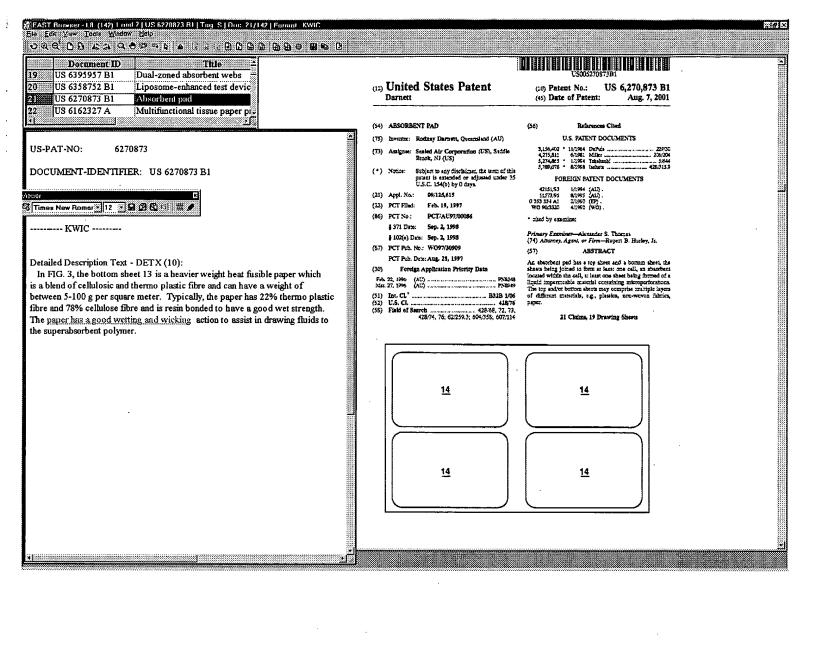
nary Exambar—Louis K. Rimmat

ABSTRACT

An apparatus for forming fibre webs including component and a second component in the form testile fibres differentiated by their average fibre or a sentle fibre and wood pulp, said apparatus ing a card means having a discharge zone, me

4 Claims, 1 Drawing Figure





US-PAT-NO:	6270873	3
DOCUMENT-II	DENTIFIER:	US 6270873 B1
TITLE:	Absorbent p	oad
VVIIC.		

Detailed Description Text - DETX (10):

In FIG. 3, the bottom sheet 13 is a heavier weight heat fusible paper which is a blend of cellulosic and thermo plastic fibre and can have a weight of between 5-100 g per square meter. Typically, the paper has 22% thermo plastic fibre and 78% cellulose fibre and is resin bonded to have a good wet strength. The <u>paper has a good wetting and wicking</u> action to assist in drawing fluids to the superabsorbent polymer.

US-PAT-NO:	5552169	
DOCUMENT-ID	ENTIFIER: US 555	2169 A
TITLE:	Food package adapt	ed for m

Food package adapted for microwave or other cooking

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Claims Text - CLTX (25):

19. An absorbent pad according to claim 14 wherein said lower layer is formed of wet strength tissue paper for increased permeability and wicking of liquid into said pad to increase the rate of absorption thereof.

KWIC			
TITLE: A	bsorbent p	oad	
DOCUMENT-IDEN	TIFIER:	US 4723953 A	
US-PAT-NO:	4723953	3	

Detailed Description Text - DETX (5):

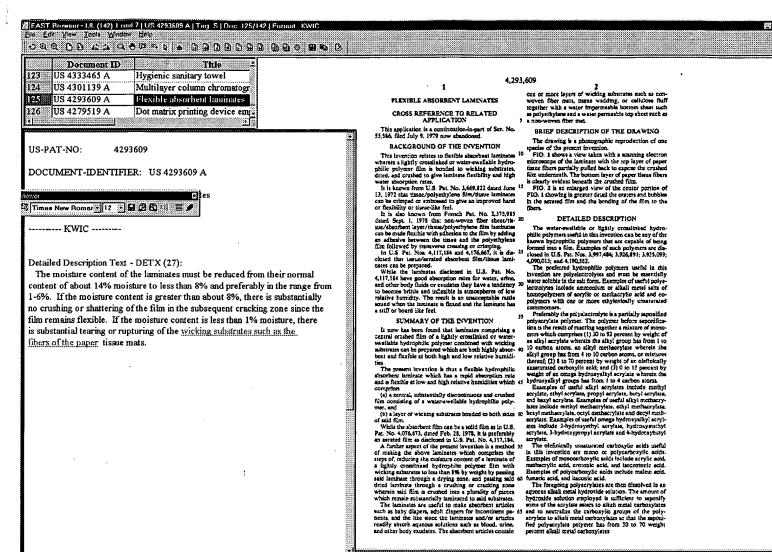
The <u>wicking layer 12 may be of paper</u> toweling and the like in which a liquid will migrate very rapidly to the marginal edges of the air bubble layer 10 and over the edges 14 to a lower absorbent layer.

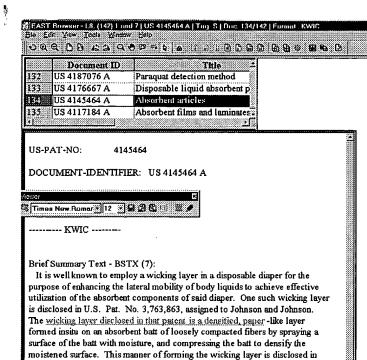
Detailed Description Text - DETX (9):

As best seen in FIG. 4, the preferred embodiment of the present invention comprises an uppermost layer 28 of Pellon. The next layer 30 is cellulose tissue. The <u>wicking layer 12 is of paper</u> toweling which completely surrounds the air bubble layer 10 having a cushion function. The absorbent layer 15 is of cotton wadding and the bottom layer 16 is of plastic.

Detailed Description Text - DETX (10):

In use, the embodiment shown in FIG. 4 receives liquids via the cellulose tissue layer 30 which transfers the excess liquid to a Pellon layer 28. The excess liquid from layer 30 is delivered to the Pellon layer 28 and then to the upper **paper towel wicking** layer 12 which wicks some of the liquid around the edges 14 of the air bubble layer 10 while the bulk of the liquid is delivered by the upper wicking layer 12 to the air bubble layer 10. The air bubbles 22 projecting upwardly present a barrier pattern to the incoming liquid and breaks the liquid stream into a multitude of small streams or riverlets which migrate to the edges 14 and discharge into the lower wicking layer 12a for even discharge across the surface of the absorbent layer 15. The bottom layer 16 prevents liquids from escaping the absorbent layer.





detail in U.S. Pat. No. 3,017,304, which is also assigned to Johnson and

Johnson.

United States Patent [19]

McConnell et al. Mar. 20, 1979 [45]

[54] ABSORBENT ARTICLES

[75] Investors: Albert L. McCounell, Wallingford: Richard W. Schutts, Newtown Square, both of Pa.

Scott Paper Company, Philadelphia, Pa.

Appl. No.: 732,176

Oct. 15, 1976 [22] Filed:

THEORY U.S. 13, 1978 B32B 8714; B32B 5716
U.S. Cl. 428/171; 118/228;
428/171; 118/228;
428/218-7-1, 128-203; 121, 140, 171; 12

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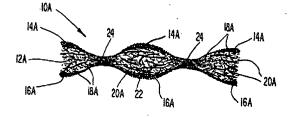
-Robert W. Michell Assistant Exeminer—V. Millin Attorum, Agent, or Firm—Martin L. Palgra; William J. Poley

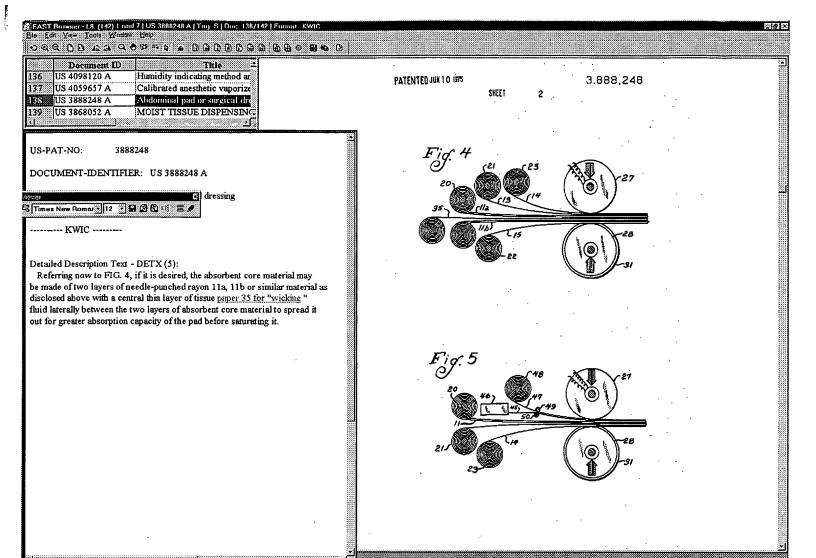
4,145,464

ABSTRACT [37]

[37] ARSTRACT
A nonwoven shorthern structure usable by healf, as a wiper for example, or unable in combination with other elements, such as an internal absorbent member of a disposable disper. The shorthest privature includes a dry-forzard fibrous section in which the average fiber length is short 1.3 milliments or longer, and a finish-instenditing layer of particulate material associated with at least can surface of the fibrous sections and head with a finish in the section of the length is short to the particle, by weight, are of a size that will pass through a 48 meth servers, and the particulation material is chemically bonded together to from the liquid-transmitting layer(4). Particles of the layer(6) are to fine the liquid-transmitting layer(4). Particles of the layer(6) particles and fibers are intermined. A disposable disper in accordance with this laversion has an internal shurchest material in charge including a dy-formed fibrous section with the show-described layer of particulates material secondard to the particles of the layer of particulates material is associated with the story-described layer of particulates material is associated with the sucreece of the fibrous section closest the backing sheet.

6 Claims, 6 Drawing Plearer





TITLE: ABSORBENT UNDERPAD WITH SECURING MEAN
TITLE: ABSORBENT UNDERPAD WITH SECURING MEAN

Detailed Description Text - DETX (1):

Referring to the drawings, the underpad is shown as comprising an impervious backing sheet 1, of polyethylene or equivalent plastic material, absorbent means 2 which may conveniently be quantities of hydrous calcium silicate powder enclosed in permeable <u>paper envelopes</u>, a <u>distribution layer 4</u>, <u>preferably of material having a "wicking"</u> effect to pass liquids quickly from the upper surface to the absorbent means, and a permeable upper facing 5 which may suitably be a porous nonwoven fabric. The backing sheet 1 is shown at 6 in FIG. 2, as extending around two opposite edges of the underpad, being sealed to the upper facing to form a laterally closed package. The absorbent material envelopes may be adhesively secured at suitable points to the backing sheet 1 and distribution layer 4 in order to retain all elements in their desired respective positions.

US-PAT-NO:	6270873	3
DOCUMENT-IDE	NTIFIER:	US 6270873 B1
TITLE:	Absorbent p	oad
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Detailed Description Text - DETX (10):

In FIG. 3, the bottom sheet 13 is a heavier weight heat fusible paper which is a blend of cellulosic and thermo plastic fibre and can have a weight of between 5-100 g per square meter. Typically, the paper has 22% thermo plastic fibre and 78% cellulose fibre and is resin bonded to have a good wet strength. The <u>paper has a good wetting and wicking</u> action to assist in drawing fluids to the superabsorbent polymer.